

Serial No.: 10/577,959
Examiner: Lee S. Cohen
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Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

1. (Currently amended) A body-worn electrode apparatus comprising:
an electrode to be worn on a surface of a body; and
a wiring connected to the electrode,
at least a part of the wiring including: a base material film, a first soft member
that is softer than the base material film and including a split induction part, having a split
induction part; and a circuit formed on a surface of the base material film into a shape
detouring around the split induction part,
wherein the first soft member is disposed on a first outermost surface of the
wiring, a width of the first soft member being larger than a width of the base material
film in a vertical direction that the circuit is to be extended,
wherein the circuit includes at least a first segment and a second segment
disposed substantially in parallel to each other at opposite positions across the split
induction part, the second segment being sized to have a substantially same length and
shape as the first segment,
wherein the split induction part includes a perforated break line, and
wherein an electrode base material film is provided on a surface of the electrode,
and a ratio of a whole width of the base material film constituting a part of the wiring
with respect to a whole width of the electrode base material film is within a range of 0.8
to 1.5.
2. (Original) The body-worn electrode apparatus according to claim 1,
wherein the circuit is printed on the base material film.
3. (Canceled)

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4. (Currently amended) The body-worn electrode apparatus according to claim 1
[[3]],

wherein a second soft member that is softer than the base material film is further laminated on a second outermost surface of the wiring opposite to the first outermost surface, the second soft member being positioned parallel to the first soft member the circuit, and the first soft member and the second soft member are disposed on outermost surfaces of the wiring.

5. (Canceled)

6. (Previously presented) The body-worn electrode apparatus according to claim 1,
wherein the circuit detouring around the split induction part is formed within a
range of a horizontal to vertical ratio of 2 or less.

7-8. (Canceled)

9. (Previously presented) The body-worn electrode apparatus according to claim 1,
wherein breaking strength of the perforated break line is from 0.2 to 5.0 N per
perforation.

10. (Currently amended) The body-worn electrode apparatus according to claim 1
[[3]],

wherein the soft member includes at least one selected from the group consisting
of a nonwoven fabric, a foamed material, an olefin film, a vinyl chloride film, and a
polyurethane film.

11. (Currently amended) A body-worn electrode apparatus comprising:
an electrode to be worn on a surface of a body; and
a wiring connected to the electrode,

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at least a part of the wiring including: a base material film, a first soft member that is softer than the base material film and including a split induction part, having a split induction part; and a circuit formed on a surface of the base material film into a shape detouring around the split induction part,

wherein the first soft member is disposed on a first outermost surface of the wiring, a width of the first soft member being larger than a width of the base material film in a vertical direction that the circuit is to be extended at least a part of the wiring further includes a first soft member, the base material film is disposed on the first soft member, and the first soft member includes a split induction part along the split induction part of the base material film,

wherein a second soft member that is softer than the base material film is further laminated on a second outermost surface opposite to the first outermost surface, the second soft member being positioned parallel to the first soft member the circuit, and the first soft member and the second soft member are disposed on outermost surfaces of the wiring,

wherein one of the first and second soft members includes at least one selected from the group consisting of a nonwoven fabric, a foamed material, an olefin film, a vinyl chloride film, and a polyurethane film, and

wherein an electrode base material film is provided on a surface of the electrode, and a ratio of a whole width of the base material film constituting a part of the wiring with respect to a whole width of the electrode base material film is within a range of 0.8 to 1.5.

12. (New) The body-worn electrode apparatus according to claim 4,

wherein a width of at least one soft member is larger than a width of the base material film.

13. (New) The body-worn electrode apparatus according to claim 12,

wherein the at least one soft member is 10mm or less wider than the base material film on one side.

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14. (New) The body-worn electrode apparatus according to claim 11, wherein a width of the second soft member is larger than the width of the base material film.
15. (New) The body-worn electrode apparatus according to claim 14, wherein each soft member is 10mm or less wider than the base material film on a least one side.